



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 18 79 06 13

Classification of the application (IPC):
H04W 72/04, H04W 4/70

Technical fields searched (IPC):
H04W

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	WO 2013116973 A1 (RENESAS MOBILE CORP [JP]; WEI NA [CN] ET AL.) 15 August 2013 (2013-08-15) * page 11, line 30 - page 20, line 14 *	1-15
X	HUAWEI ET AL: "Resource allocation and indication for data channel" , 3GPP DRAFT; R1-1705069, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 02 April 2017 (2017-04-02), vol. RAN WG1, no. Spokane, USA; 20170403 - 20170407 URL: http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/ [retrieved on 02 April 2017 (2017-04-02)] XP051243200 * paragraph [0001] - paragraph [0002]; figures 3-4 *	1-15
A	LG ELECTRONICS INC: "Impacts due to narrow bandwidth characteristic of low cost MTC UE" , 3GPP DRAFT; R2-134371 IMPACTS OF NARROW BANDWIDTH CHARACTERISTIC OF LOW COST MTC UE, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTI, 13 November 2013 (2013-11-13), vol. RAN WG2, no. San Francisco, U.S.A.; 20131111 - 20131115 URL: http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN/RAN2/Docs/ [retrieved on 13 November 2013 (2013-11-13)] XP050737082 * paragraph [0002] *	1, 4-7, 9-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 02 November 2020	Examiner Tsapelis, Athanasios
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
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O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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Application number:
EP 18 79 06 13

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	<p>ZTE: "PRB group definition and frequency hopping for MTC enhancement" , 3GPP DRAFT; R1-152954_PRB GROUP_HOPPING, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, 15 May 2015 (2015-05-15), vol. RAN WG1, no. Fukuoka, Japan; 20150525 - 20150529 URL: http://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_81/Docs/XP050969461 [retrieved on 15 May 2015 (2015-05-15)] XP050969461 * paragraph [0001] - paragraph [0003] *</p>	1, 7, 12-15

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Place of search The Hague	Date of completion of the search 02 November 2020	Examiner Tsapelis, Athanasios
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X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO2013116973	A1	15-08-2013	NONE